

## Abstract

### Tube, Use of a Plastic Bag and Process for Producing a Tube

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A face wall (13) and two side walls (12) of the tube and of the plastic bag used as the tube are formed by a laminate with a 60 to 200 micron thick inner seal layer of polyolefin and a 10 to 25 micron thick outside layer of polyester. The side walls (12) are tightly connected flat to one another along two strip-shaped side edge sections (17, 18) such the inner boundaries of the two side edge sections (17, 18) which face one another in the area of the face wall (13) are angled or bent to the inside towards one another. A shoulder piece (20, 22, 23, 24) has a sealable opening in the form of an outlet connection piece (20) and a flange (22) which is connected to the face wall (13). The strip-shaped side edge sections (17, 18) each have a width (b) which is at least 6.5% of the total width (B) of the side walls (12). This construction of the tube reduces the danger that the side walls could buckle and the tube could tip over when it is set up with the sealing cap (21) screwed onto the outlet connection piece (20) pointed downward.

(Figure 1).